

Date: Thu, 27 Jan 94 04:30:45 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #11
To: Ham-Space

Ham-Space Digest Thu, 27 Jan 94 Volume 94 : Issue 11

Today's Topics:

Daily IPS Report - 23 Jan 94
Daily IPS Report - 24 Jan 94

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Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 23 Jan 94 23:31:14 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!spool.mu.edu!
cass.ma02.bull.com!syd.bull.oz.au!brahman!tmx!basser.cs.su.oz.au!metro!
news.ci.com.au!eram@nntp.ucsb.edu
Subject: Daily IPS Report - 23 Jan 94
To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA
Daily Solar And Geophysical Report
Issued at 2330 UT 22 January 1994
Summary for 22 January and Forecast up to 25 January
No warning is current.

1A. SOLAR SUMMARY

Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 113/064

1B. SOLAR FORECAST

| | 23 January | 24 January | 25 January |
|----------|---------------|---------------|---------------|
| Activity | Low | Low | Low |
| Fadeouts | None expected | None expected | None expected |

Forecast 10.7 cm flux/Equivalent Sunspot Number : 110/060

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth : quiet to unsettled

| Estimated Indices : A | K | Observed A Index 21 January |
|-----------------------|--------------|-----------------------------|
| Learmonth | 04 3211 0012 | |
| Fredericksburg | 05 | 07 |
| Planetary | 07 | 07 |

2B. MAGNETIC FORECAST

| DATE | Ap | CONDITIONS |
|--------|----|---------------------|
| 23 Jan | 15 | Quiet to unsettled. |
| 24 Jan | 06 | Quiet. |
| 25 Jan | 06 | Quiet. |

2C. MAGNETIC COMMENT

Active periods for 22nd did not eventuate. Active periods expected during interval 27-29 Jan due to coronal hole.

3A. GLOBAL HF PROPAGATION SUMMARY

| | LATITUDE BAND | | |
|--------|---------------|--------|--------|
| DATE | LOW | MIDDLE | HIGH |
| 22 Jan | normal | normal | normal |

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

| | LATITUDE BAND | | |
|--------|---------------|--------|--------|
| DATE | LOW | MIDDLE | HIGH |
| 23 Jan | normal | fair | fair |
| 24 Jan | normal | normal | normal |
| 25 Jan | normal | normal | normal |

3C. GLOBAL HF PROPAGATION COMMENT

NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were slightly above predicted monthly values

T index: 53

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE T-index MUFs

23 Jan 60 About 15% above predicted monthly values.

24 Jan 50 Near predicted monthly values.

25 Jan 60 About 15% above predicted monthly values.

Predicted Monthly T Index for January is 30.

4C. AUSTRALIAN REGION COMMENT

Slight degradations possible on the 23/24th.

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Dave Horsfall (VK2KFU) VK2KFU @ VK20P.NSW.AUS.OC PGP 2.3
dave@esi.COM.AU ...munari!esi.COM.AU!dave available

Date: 23 Jan 94 23:32:02 GMT

From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!spool.mu.edu!

cass.ma02.bull.com!syd.bull.oz.au!brahman!tmx!basser.cs.su.oz.au!metro!

news.ci.com.au!eram@nntp.ucsb.edu

Subject: Daily IPS Report - 24 Jan 94

To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA

Daily Solar And Geophysical Report

Issued at 2330 UT 23 January 1994

Summary for 23 January and Forecast up to 26 January

No warning is current.

1A. SOLAR SUMMARY

Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 118/070

1B. SOLAR FORECAST

| | 24 January | 25 January | 26 January |
|----------|---------------|---------------|---------------|
| Activity | Low | Low | Low |
| Fadeouts | None expected | None expected | None expected |

Forecast 10.7 cm flux/Equivalent Sunspot Number : 110/060

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth : quiet to unsettled

| | | | |
|---------------------|----|-----------|-----------------------------|
| Estimated Indices : | A | K | Observed A Index 22 January |
| Learmonth | 05 | 2221 1211 | |
| Fredericksburg | 05 | | 09 |
| Planetary | 05 | | 07 |

2B. MAGNETIC FORECAST

| DATE | Ap | CONDITIONS |
|--------|----|---------------------|
| 24 Jan | 08 | Quiet to unsettled. |
| 25 Jan | 08 | Quiet to unsettled. |
| 26 Jan | 08 | Quiet to unsettled. |

2C. MAGNETIC COMMENT

Active periods expected during interval 27-29 Jan due to coronal hole.

3A. GLOBAL HF PROPAGATION SUMMARY

| | LATITUDE BAND | | |
|--------|---------------|--------|--------|
| DATE | LOW | MIDDLE | HIGH |
| 23 Jan | normal | normal | normal |

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

| | LATITUDE BAND | | |
|--------|---------------|--------|------|
| DATE | LOW | MIDDLE | HIGH |
| 24 Jan | normal | normal | fair |
| 25 Jan | normal | normal | fair |
| 26 Jan | normal | normal | fair |

3C. GLOBAL HF PROPAGATION COMMENT

HF Conditions should remain good until Jan 27 when degraded comms are expected for mid and high lats.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were about 15% above predicted monthly values

T index: 75

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

| DATE | T-index | MUFs |
|--------|---------|---|
| 24 Jan | 60 | About 15% above predicted monthly values. |
| 25 Jan | 60 | About 15% above predicted monthly values. |

26 Jan 60 About 15% above predicted monthly values.

Predicted Monthly T Index for January is 30.

4C. AUSTRALIAN REGION COMMENT

Degraded HF comms expected during Jan 27-29.

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| | | |
|------------------------|---------------------------|-----------|
| Dave Horsfall (VK2KFU) | VK2KFU @ VK20P.NSW.AUS.OC | PGP 2.3 |
| dave@esi.COM.AU | ...munari!esi.COM.AU!dave | available |

Date: Tue, 25 Jan 1994 19:14:57 GMT
From: netcomsv!netcom.com!wb8foz@decwrl.dec.com
To: ham-space@ucsd.edu

References <2h99hg\$65k@hpavla.lf.hp.com>, <2hd6ji\$q5e@hpavla.lf.hp.com>,
<1994Jan17.145311.25166@ke4zv.atl.ga.us>
Reply-To : wb8foz@skybridge.scl.cwru.edu (David Lesher)
Subject : Re: Vacuum tubes in spacecraft?

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>Note, Apollo used the HP-35 calculator as backup for it's computers,
>so the necessary data loads aren't that large.

Err,
The 35 came out in early 72. It took me 6 months to get one.
Thus later Apollo flights may have used them, but not early
ones.

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A host is a host from coast to coast.....wb8foz@nrk.com
& no one will talk to a host that's close.....(v)301 56 LINUX
Unless the host (that isn't close)....kibo# 665.99.....pob 1433
is busy, hung or dead.....vr.....20915-1433

End of Ham-Space Digest V94 #11
